Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/14/2019 09:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124528	-1	2.38	124562	2.30
Blue	F	SSC	125000	123226	-2	4.11	124148	4.05
Blue	E	FITC	16694	16372	-2	3.89	378	21.60
Blue	D	PE	32792	31938	-3	3.18	706	16.58
Blue	B	PerCP-Cy5-5	44451	43828	-2	4.76	1197	24.19
Blue	A	PE-Cy7	33645	33407	-1	7.24	606	49.18
Red	C	APC	47008	46329	-2	3.08	1790	13.62
Red	A	APC-Cy7	32298	31600	-3	2.97	792	14.35
Violet	B	V450	8961	8600	-5	4.85	474	14.79
Violet	A	V500	32726	31173	-5	4.53	750	11.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20351	5.07	610	-3	N/A	N/A	Pass
Blue	F	SSC	55807	3.54	580	12	N/A	N/A	Pass
Blue	E	FITC	65	67.39	567	4	0.0158	89	Pass
Blue	D	PE	141	57.74	571	5	0.1270	288	Pass
Blue	B	PerCP-Cy5-5	222	56.72	678	7	0.0065	3	Pass
Blue	A	PE-Cy7	116	125.45	733	7	0.0085	29	Pass
Red	C	APC	409	29.56	613	0	0.0187	167	Pass
Red	A	APC-Cy7	196	31.31	585	0	0.0043	631	Pass
Violet	B	V450	69	71.74	481	-5	0.0439	2366	Pass
Violet	A	V500	107	37.46	490	-6	0.0193	788	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.43	-32.02	1.13
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.80	13.60 - 20.40	N/A	N/A	29.06	29.55	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11818

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments